



Attorney Docket No: MTEC004/00US (0121.00US)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of Radhika Thekkath, *et al.*

Serial No.: 09/844,668

Examiner: Unassigned

Confirmation No.: 8993

Art Unit: 2183

Filed: April 30, 2001

For: **EXTERNAL TRACE SYNCHRONIZATION VIA PERIODIC SAMPLING**

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Commissioner for Patents  
Washington, D.C. 20231

**POWER BY ASSIGNEE  
AND STATEMENT UNDER 37 C.F.R. §3.73(b)**

The Assignee of the entire right, title, and interest in the above-identified application hereby grants James F. Kurkowski, Reg. No. 35,923, power to act, prosecute, and transact all business in the U.S. Patent and Trademark Office in connection with this application, any applications claiming priority to this application, and any patents issuing therefrom.

The Assignee certifies that to the best of its knowledge and belief it is the owner of the entire right, title, and interest in and to the above-identified application as evidenced by:

- ☒ **An assignment document, a copy of which is enclosed herewith;**
- ☐ An assignment previously recorded in the U.S. Patent and Trademark Office at Reel \_\_\_, Frame \_\_\_.

Please direct all telephone calls and correspondence to:

COOLEY GODWARD LLP

ATTN: Patent Group

One Freedom Square

Reston Town Center

11951 Freedom Drive

Reston, VA 20190-5601


Tel: (703) 456-8000

Fax: (703) 456-8100

CUSTOMER NUMBER: **022903**

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Date: 10-4-01

Signature:   
Name: **Sandy Creighton**  
Title: **Vice President, General Counsel  
and Secretary**  
Company: **MIPS Technologies, Inc.**

**ASSIGNMENT  
(Joint)**

**Radhika Thekkath**, residing at 738 Rosewood Drive, Palo Alto, CA 94303; **Franz Treue**, residing at 550 Vista Ave., Palo Alto, CA 94306-3200; **Ernest L. Edgar**, residing at 13939 Forest Lane, Larkspur, CO 80118 and **Richard T. Leatherman**, residing at 2735 NE 17th Ave., Portland, OR 97221 (hereinafter each referred to as "Assignor") have made an invention relating to certain new and useful improvements in:

**EXTERNAL TRACE SYNCHRONIZATION VIA PERIODIC SAMPLING**

set forth in an application for Letters Patent of the United States, which is a

- (1) ☐ provisional application
  - (a) ☐ to be filed herewith; or
  - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
  - (a) ☐ having an oath or declaration executed on prior to filing of application; or
  - (b) ☒ bearing Application No. 09/844,668, and filed on April 30, 2001;

**First Silicon Solutions, Inc.**, a corporation duly organized under and pursuant to the laws of Oregon, and having its principal place of business at 5440 SW Westgate Drive, Suite 200, Portland, OR 97221 (hereinafter referred to as "FS2"), is an employer of Ernest L. Edgar and Richard T. Leatherman; and

WHEREAS, **MIPS Technologies, Inc.**, a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 1225 Charleston Road, Mountain View, CA 94043-1353 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the

full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is a lawful owner of the entire right, title, and interest in and to the invention(s) set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s) or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention(s) in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD L.L.P. to insert in the spaces provided above the filing date, application number, the dates of execution of the oath or declaration, and attorney docket number of said application when known;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

AND FS2 hereby confirms the obligations of Ernest L. Edgar and Richard T. Leatherman under this Assignment, and hereby sells, assigns, transfers, and sets over, unto the Assignee any and all interest as it may retain in and to said invention(s).

Date: 10-4-01

By: Sandy Creighton  
MIPS Technologies, Inc.

State of California )

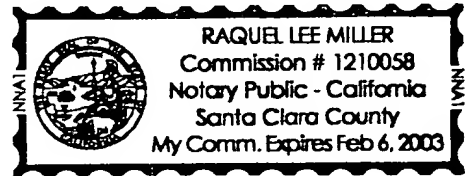
ss.

County of Santa Clara )

On October 4, 2001, before me, Raquel Lee Miller, Notary Public, personally appeared Sandy Creighton, personally known to me ~~or proved to me on the basis of satisfactory evidence~~, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Raquel Lee Miller  
Signature of Notary Public



Place Notary Seal Above

Date: 9-20-01

By: Richard T. Leatherman

State of California

First Silicon Solutions, Inc.

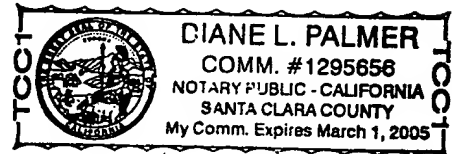
ss.

County of Santa Clara

President & CEO  
Richard T. Leatherman

On 9-20-01, before me, Diane L. Palmer, personally appeared Richard T. Leatherman personally known to me or proved to me on the basis of satisfactory evidence, to be the person~~(s)~~ whose name~~(s)~~ is~~are~~ subscribed to the within instrument and acknowledged to me that he~~/she/they~~ executed the same in his~~her/their~~ authorized capacity~~(ies)~~, and that by his~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

WITNESS my hand and official seal.



Diane L. Palmer  
Signature of Notary Public

Place Notary Seal Above

Date: 10/1/01

By: *Rade*  
**Radhika Thekkath**

State of California )

ss.

County of Santa Clara )

On 10-1-01, before me, Diane L. Palmer, personally appeared Radhika Thekkath, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



*Diane L. Palmer*  
 Signature of Notary Public

Place Notary Seal Above

Date: 9/10/2001

By: *Franz Treue*  
**Franz Treue**

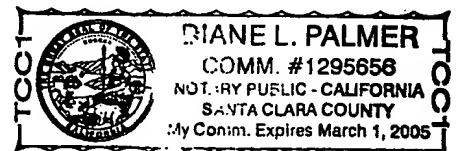
State of California )

ss.

County of Santa Clara )

On 9-10-01, before me, Diane L. Palmer, personally appeared Franz Treue, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



*Diane L. Palmer*  
 Signature of Notary Public

Place Notary Seal Above

Date: 9/6/2001

By: Ernest L. Edgar  
Ernest L. Edgar

State of Colorado )

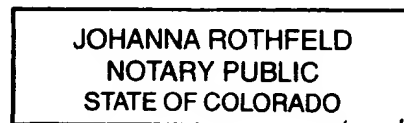
SS.

County of El Paso )

On Sept 6, 2001, before me, Johanna Rothfeld, personally appeared Ernest L. Edgar, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Johanna Rothfeld  
Signature of Notary Public



MY COMMISSION EXPIRES 04/21/04

Place Notary Seal Above

Date: 9-20-01

By: Richard T. Leatherman  
Richard T. Leatherman

State of California )

SS.

County of santa clara )

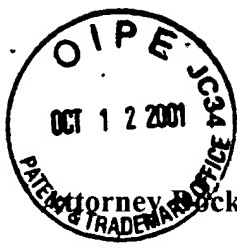
On 9-20-01, before me, Diane L. Palmer, personally appeared Richard T. Leatherman, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Diane L. Palmer  
Signature of Notary Public



Place Notary Seal Above



Attorney Docket No: MTEC004/00US (0121.00US)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of Radhika Thekkath, *et al.*

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Commissioner for Patents  
Washington, D.C. 20231

**ASSOCIATE POWER OF ATTORNEY**

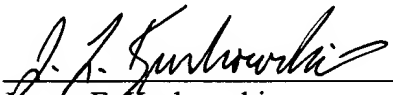
The undersigned, holding an original Power of Attorney in the above-identified application, hereby grants an Associate Power of Attorney to the registered practitioners of Cooley Godward LLP included in the Customer Number provided below to prosecute this application and direct that all correspondence be addressed to that Customer Number.

**Customer Number: 022903**

Respectfully Submitted,

Date: 10/5/01

Cooley Godward LLP  
One Freedom Square  
Reston Town Center  
11951 Freedom Drive  
Reston, VA 20190  
(703) 456-8000

  
James F. Kurkowski  
Registration No.: 35,923



#3

Attorney Docket No: MTEC004/00US (0121.00US)

PATENT

**DECLARATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**EXTERNAL TRACE SYNCHRONIZATION VIA PERIODIC SAMPLING**

the specification of which:

**[x] was filed as United States Application Serial No. 09/844,668 on April 30, 2001.**

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information which is known to me to be material to the patentability of said invention in accordance with 37 C.F.R. §1.56;

I hereby claim foreign priority benefits under 35 U.S.C. §119 and/or §365 of any foreign application(s) for patent, any foreign application(s) for inventor's certificate, or any PCT international application(s) designating at least one country other than the United States of America listed below; I have also identified below any foreign application(s) for patent, any foreign application(s) for inventor's certificate, or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**Prior Foreign Application(s)**

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Application Number)

(Filing Date) (day, month, year)

(Application Number)

(Filing Date) (day, month, year)

I hereby claim the benefit under 35 U.S.C. §120 and/or §365 of any United States application(s) or of any international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Application(s) or PCT International Applications Designating the U.S. for benefit under 35 U.S.C. §120

U.S. APPLICATIONS		STATUS (check one)		
U.S. APPLICATION NO.	U.S. FILING DATE (day, month, year)	Pending	Patented	Abandoned
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE (day, month, year)	U.S. APPLICATION NOS. (if any)		
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Radhika Thekkath**

Inventor's signature  Date 10/1/01

Residence: **738 Rosewood Drive, Palo Alto, CA 94303**

Citizen of: **US**

Post Office Address: **Same as above**

Full name of second inventor: Franz Treue

FT: 9/10/2001

Inventor's signature

*[Signature]*

Date

9/10/2001

Residence: 550 Vista Ave., Palo Alto, CA 94306-3200

Citizen of: DENMARK

Post Office Address: Same as above

Full name of third inventor: Ernest L. Edgar

Inventor's signature

*[Signature]*

Date

9/6/2001

Residence: 13939 Forest Lane, Larkspur, CO 80118

Citizen of: US

Post Office Address: Same as above

Full name of fourth inventor: Richard T. Leatherman

Inventor's signature

*[Signature]*

Date

9-20-01

Residence: 2735 NE 17<sup>th</sup> Ave., Portland, OR 97221

Citizen of: US

Post Office Address: Same as above